

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014816

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7 H03B9/14 H03B5/40 H01L41/00 G10K11/36 G01R33/02 H03H9/42 H03H9/64					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) IPC 7 H03B H01L G10K G01R H03H					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.
X	<p>S. I. KISELEV ET AL.: "Microwave oscillations of a nanomagnet driven by a spin-polarized current" NATURE, vol. 425, 25 September 2003 (2003-09-25), pages 380-383, XP002329287 cited in the application the whole document</p> <p>-----</p> <p>W. H. RIPPARD ET AL.: "Direct-Current Induced Dynamics in Co90Fe10/Ni80Fe20 Point Contacts" PHYS. REV. LETT., vol. 92, no. 2, 15 January 2004 (2004-01-15), pages 027201-1-027201-4, XP002329288 cited in the application the whole document</p> <p>-----</p> <p>-----</p>				1-5, 7, 21-24, 29, 30, 32
P, X					1-5, 21-25, 27-30, 32
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.			<input checked="" type="checkbox"/> Patent family members are listed in annex.		
<p>* Special categories of cited documents :</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the International filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"8" document member of the same patent family</p>					
Date of the actual completion of the international search			Date of mailing of the international search report		
6 June 2005			28/06/2005		
Name and mailing address of the ISA European Patent Office, P.O. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016			Authorized officer Stichauer, L		

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 260 615 A (SAHASHI ET AL) 9 November 1993 (1993-11-09) claims 4-7 column 1, line 6 - line 10 column 3, line 48 - line 54 column 6, line 12 - line 25 figures 3,4 ----- US 5 959 388 A (GRAEBNER ET AL) 28 September 1999 (1999-09-28) claims 1,3 column 1, line 23 - line 25 column 6, line 12 - line 15 figures 1,12 ----- US 4 968 954 A (RYUO ET AL) 6 November 1990 (1990-11-06) claims 1,13,15,16,19,20 figures 1,4,5 -----	1-5,7, 10-14, 16,29, 30,32 1-5, 7-14,16, 29,30,32 1-5,7, 13,16, 29,30,32

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5260615	A 09-11-1993	JP DE	4058605 A 4121550 A1	25-02-1992 09-01-1992
US 5959388	A 28-09-1999	NONE		
US 4968954	A 06-11-1990	JP JP	2168606 A 7048425 B	28-06-1990 24-05-1995